

Claims.

I claim:

Claim 1. The most Global and General New Bases of Matter of Universe (carefully proven PHYSICS itself) are characterized by the following characteristics:

- 5 1). The electromagnetic waves do not leave the Universe (in expansion today) being collected since "The Creation" of Universe ("Our" Big Bang), that takes place because of multiple complete reflections from its borders, behind which there is no (any more) neutrinos and antineutrinos, propagating the light and changing its velocity;
- 10 2). The large spectrum (from radio waves till  $\gamma$ - rays) of strong intensities of the diffuse electromagnetic waves in the Universe of today is due their impossibility to leave the Universe (since Big Bang);
- 15 3). Near the elevated masses (as Black Holes or even Sun) there is the presence of augmented concentrations of neutrinos and antineutrinos (having the electron masses), leading to the "gravitational lenses" due to changing of value of the light speed in these conditions (but not because of Utopy of General Theory of Relativity);
- 20 4). The mass of Classical Universe is much stronger than Critical one due to very elevated mass of neutrinos and antineutrinos, wherein Universe Contraction will take place, due to gravitational forces after actual Expansion;
- 25 5). 2nd Law of Thermodynamics of permanent global increase of entropy is not correct: light cannot leave the Universe and light concentrations must, even, increase at last phases of the Universe contraction;
- 30 6). The strong explosion will take place due to very elevated concentrations of electromagnetic waves during Universe Contraction;
- 35 7). In "Our" Big Bang, the explosion provoked only the spallation of the heavy elements and only until hydrogen and helium (and traces of Li-Be-B) and Big Bang (according to Modern Science), described as taking place after particle aggregations or with primordial nucleosynthesis, is profoundly false;
- 40 8). Black Holes (constituted of neutros), resting after such Big Bang serve for the Galaxy creation, after rapid currents (that provokes the rotation of stars /luminous matter/ around its center) of the luminous matter, well exploded and lighted one sole time, making the disk of the Galactic plane with excentric rotations (of stars) like at Solar System;
- 45 9). After future shortage of the heavy elements and growing abundance of the neutro particles after "Our" Big Bang, the Universe contraction (in one of consecutive cycles: explosion of Big Bang and Universe expansion following by Universe contraction and new explosion) must continue without explosion of spallation (weaker) until temperature, when the nuclear reactions (opposed to those of explosion of Supernova stars) of re-utilization already of neutros with neutrinos and antineutrinos (with much stronger explosion) to create electrons, positrons, protons and neutrons, can take place.;
- 50 10). These cycles of Classical Universe must be permanent (there was the infinity of cycles be-

fore us and there will be the infinity after) according to the law of the closing of its borders for the light interacting with the law of Universal Gravitation wherein the cycles with spoliation of the heavier elements (weaker explosions) (like "Our" Big Bang) are succeeded by those of the nuclear reactions of inversions of titanic explosions of Supernova stars;

5 11). Titanic cosmic "rays", produced by Other Universes, justly, must be the products (with diapason of speed values, it means with duration of recording times) of the superpowerful explosions;

10 12). Such cosmic "rays" (charged ones included) pass easily through the well charged Sun (and cosmic objects as Moon), because of the absence of the mutual electro-magnetic interactions due to their velocities, superior of those of light (it means more rapid than value of fields velocities, that are, in situ, dynamic: being nonpermanent but with strong frequencies of the pulses de facto), except the crushing minority of "rays", that knocks the small nuclei of matter on the trajectory directly;

15 13). The process of radioactivity characterized in that it is not spontaneous (as it is accepted by all), but it is provoked by the direct knocking of the nuclei of matter by cosmic rays with the value of speed superior of that of light, generally.

20 Claim 2. The consecutive practical process (considering as whole with precise scientific basis of invention) of changing of period of radioactivity (for production of very unstable elements with prices of gold like mendelevium or those with very small periods of lifetime) characterized in that one diminishes /for instance, in putting, very simply, the thick layers of very dense elements (substances) or matter of neutro particles, that are the most dense in Universe/ the knocking of nuclei of matter by cosmic "rays" according to Claim 1.

25 Claim 3. The process of the creation of extrastrong stable temperatures in "the chamber", never obtained on Earth, characterized in that one creates the general conditions of Big Bang (in eliminating neutrinos and antineutrinos around the volume [with (already) radiation and high temperature] with help of intensive irradiation of  $\gamma$ - rays and magnetic fields and in diminishing largely this volume) according to Claim 1.

30 Claim 4. The process of changing of values of forces and propagation speeds of fields (until values much higher than those of light) in the substance characterized in that the increase of the concentrations of conducting neutrinos and/or antineutrinos (electronic- in the case of electric and "magnetic" fields and muonic- in the case of gravitational one) in this substance (with help of corresponding beams of said neutral particles) changes such characteristics according to Claim 1 [leading to the titanic accelerations, permitting interactions of electric and "magnetic" fields with particles having the speed values higher than those of light in accelerators OR the great increase of gravitational masses and interactions (gravitational field)].

35 Claim 5. The process of very great accelerations of particles (in the case of electric and "magnetic" fields) characterized in that one increases the concentrations of conducting electronic neutrinos and/or antineutrinos in directing said electric and "magnetic" fields of accelerators with help of beams of these neutral particles that leads to strong increase of values of force and propagation of these fields according to Claim 4.

Claim 6. The device to have the beams of neutrinos and/or antineutrinos according to Claim 5 characterized in that one places the 2 charged beams (well focusable and dirigible) (preferably saturated) of electrons and positrons in the same direction for their meetings, obtaining, as result, the beams of neutrinos and antineutrinos directly forward (and behind).

5 Claim 7. The new accelerators of Claim 5 (firstly synchrotrons) characterized in that they produce also the coherent and polarized radiation (of synchrotron firstly) with (also) the waves shorter than the  $\gamma$  ( $<1.8 \times 10^{21}$  Hz), never observed and created before (after creation of *positive* or *negative* particle different fluctuations).

10 Claim 8. The utilization of electromagnetic waves with ultra-great frequencies of Claim 7, characterized in that they help to produce the electric current by new universal means (serving also for all waves, naturally) with the same frequency with help of condensator (in simple electric circuit) having (between its disks) the isolator with slit (or several periodic ones) of the size of half of length of wave (that is coherent and polarized in direction, perpendicular to condensator disks), that guarantees the variable electric current (also strong) of the same frequency, that can directly 15 (in its turn) produce the electromagnetic waves (like in classical transmitter of radio waves) including visible light.

20 Claim 9. The process of destruction of the matter of targets is characterized in that one irradiates them with beams of omnipenetrating particles having overlight speeds that cross the target together with (electronic) neutrino and/or antineutrino beams in destroying the targets due to increase of speed (and force) values of electromagnetic fields in such matter (permitting interactions of these fields with beams of particles with superlight speeds) according to Claim 4 [wherein the cosmic "rays" ("ready-to-wear") can also serve already as omnipenetrating beams of numerous particles with overlight speeds and with colossal energies].